SUPPLEMENTARY DATA

S3. Data for reproducibility of gel scan analysis.

		1	2	3	4	5	6	Core	whole
HMW- GS	R1	3.70%	22.95%	25.68%	25.49%	26.56%	29.45%	20.60%	21.94%
	R2	2.57%	24.78%	27.01%	29.55%	30.20%	27.94%	22.43%	21.63%
	R3	5.88%	26.46%	26.70%	27.87%	27.33%	28.49%	25.53%	23.52%
	R4	5.44%	23.98%	24.31%	24.63%	24.30%	26.83%	23.29%	22.61%
	Mean	4.40%	24.54%	25.92%	26.88%	27.10%	28.18%	22.96%	22.43%
	Standard deviation	0.02	0.01	0.01	0.02	0.02	0.01	0.02	0.01
	Coefficient of variation	35.07	6.04	4.70	8.34	8.99	3.88	8.91	3.74
ω- gliadins	R1	18.91%	20.06%	20.91%	19.86%	19.44%	19.31%	15.81%	18.74%
	R2	19.85%	21.40%	21.01%	22.01%	21.12%	20.02%	17.62%	18.81%
	R3	19.01%	21.94%	21.69%	20.93%	19.30%	18.95%	17.62%	19.17%
	R4	20.64%	21.85%	21.84%	18.98%	19.01%	17.92%	17.05%	18.01%
	Mean	19.60%	21.31%	21.36%	20.44%	19.72%	19.05%	17.02%	18.68%
	Standard deviation	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.00
	Coefficient of variation	4.14	4.07	2.20	6.43	4.83	4.60	5.01	2.59
LMW-GS+α,γ gliadins	R1	77.39%	56.99%	53.41%	54.66%	54.00%	51.24%	63.59%	59.32%
	R2	77.58%	53.81%	51.98%	48.45%	48.68%	52.04%	59.96%	59.56%
	R3	75.11%	51.60%	51.61%	51.20%	53.37%	52.56%	56.85%	57.31%
	R4	73.91%	54.18%	53.86%	56.39%	56.69%	55.25%	59.66%	59.37%
	Mean	76.00%	54.15%	52.71%	52.67%	53.18%	52.77%	60.01%	58.89%
	Standard deviation	0.02	0.02	0.01	0.04	0.03	0.02	0.03	0.01
	Coefficient of variation	2.35	4.08	2.06	6.74	6.26	3.29	4.60	1.80

Gel proteins bands in each lane were divided into three groups corresponding to HMW-GS, ω -gliadins and LMW glutenin subunits+ α , γ gliadins. All but one of the coefficients of variation (highlighted in red) are lower than 10, indicating that the differences between replicates are not statistically significant.